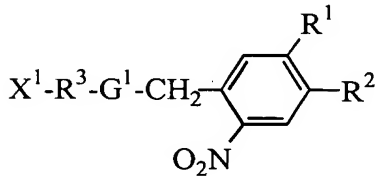
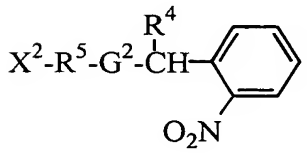
IMAGE-FORMING COMPOSITION AND PHOTOSENSITIVE LITHOGRAPHIC PLATE USING SAME

ABSTRACT

The present invention provides image-forming compositions and photosensitive lithographic plates which are excellent in sensitivity to infrared radiation, latitude of development, treatable area in m^2, and printing durability. Specifically, the present invention provides an image-forming composition comprising (A) a polymeric compound obtainable by the addition reaction of a resinous polymer having one or more phenolic hydroxyl groups with a silane coupling agent of the following general formula (1) or (2), (B) an acid generator, (C) an infrared absorber, and (D) an alkali-soluble resin, and a photosensitive lithographic plate having this image-forming composition applied onto a substrate.



(1)



(2)

wherein X^1 and X^2 each represent a trimethoxysilyl group or the like; G^1 represents O or COO; R^1 and R^2 each independently represents a hydrogen atom or a methoxy group; R^3 represents $(CH_2)_m$ which may have a hydrocarbon side chain; G^2 represents O or COO; R^4 represents a hydrogen atom or a straight-chain or branched alkyl group; and R^5 represents $(CH_2)_n$ which may have a hydrocarbon side chain.